

Assumptions and Limitations

- **Biological Scope**
 - Representative three species (salmon, striped bass, delta smelt)
 - Green sturgeon, white sturgeon, longfin smelt, Sacramento splittail, American shad
 - May need future analysis
- **Geographical Scope**
 - Limited to Delta, Suisun Bay and Suisun Marsh
 - Team and time precluded upstream, ocean
 - Unable to assess overall recovery



Assumptions and Limitations (con't)

- **Process**
 - Best professional judgement (using data, models, existing info)
 - Time constraints precluded more quantitative analysis
 - Multiple sources of uncertainty considered
- **Procedures and Inputs**
 - Single operations for each scenario (VAMP, WQCP, Biological Opinions for delta smelt and winter-run)
 - No new storage and maximum new storage
 - No attempt to minimize impacts or maximize benefits



Assumptions and Limitations (con't)

- **Common Programs**
 - Benefits to species, but some impacts
 - Magnitude of benefits uncertain
- **Water Quality**
 - Effects unknown, but potentially significant
 - Address in the next phase
 - Need coordination with the water quality team
- **Exotics**
 - New species may alter estuary - almost certain
 - Unlikely that effects will change the performance of alternatives relative to each other

